

知 S7602-S ET354版本升级不成功的解决方法

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某运营商客户要对新购的版本为111的ET354型号的ONU进行升级操作，将ONU版本文件上传到设备后，在ONU接口下执行update的操作后，等待半个小时后再次查看ONU的信息，发现ONU版本没有升级成功。

```
[H3C-Onu2/0/3:3]dis onuinfo interface onu2/0/3:3
ONU Mac Address LLID Dist(M) Port Board/Ver Sft/Epm State Aging
XXXX-XXXX-eb58 2 228 Onu2/0/3:3 ET354/A 111/ Up N/A
--- 1 entry found ---
```

```
[H3C-Onu2/0/3:3]update onu filename flash:/et354112.app
```

```
Update flash:/et354112.app?[Y/N]:y
```

```
Info: Download file to onu may take a long time, please wait...
```

```
Please wait while the firmware is being burnt, and check the software version after re-registration!
```

```
[H3C-Onu2/0/3:3]dis onuinfo interface onu2/0/3:3
```

```
ONU Mac Address LLID Dist(M) Port Board/Ver Sft/Epm State Aging
XXXX-XXXX-eb58 2 18 Onu2/0/3:3 ET354/A 111/ Up N/A
```

1. 从诊断信息内看到在15:42的时候进行了升级操作，相同时间可以看到设备记录的日志内有校验错误的日志，怀疑是上传到设备的ONU版本有问题：

日志内记录的操作过程：

```
%Mar 1 15:41:44:060 2018 H3C SHELL/6/SHELL_CMD: -Task=vt0-IPAddr=172.29.191.163-User=tl
gd; Command is interface onu2/0/3:3
```

```
%Mar 1 15:41:53:602 2018 H3C SHELL/6/SHELL_CMD: -Task=vt0-IPAddr=172.29.191.163-User=tl
gd; Command is dis onuinfo interface onu2/0/3:3
```

```
%Mar 1 15:42:01:842 2018 H3C SHELL/6/SHELL_CMD: -Task=vt0-IPAddr=172.29.191.163-User=tl
gd; Command is update onu filename flash:/et354112.app
```

设备记录的日志信息：

```
Mar 01 2018 15:42:29:0075:
```

```
LINE:2648,File/home/w00235/version/d105sp77er_rxx08p03/platform_epon/drv/pon/drv_epon_pon_onu
.c-TASK:UOA1-FUNC::
```

```
OnuUpdateFw called, update reason is 4, OLT ID is 1.
```

```
Mar 01 2018 15:42:29:0257:
```

```
LINE:2911,File/home/w00235/version/d105sp77er_rxx08p03/platform_epon/drv/pon/drv_epon_pon_onu
.c-TASK:UOA1-FUNC::
```

```
Check CRC error!
```

```
Mar 01 2018 15:42:29:0257:
```

```
LINE:2673,File/home/w00235/version/d105sp77er_rxx08p03/platform_epon/drv/pon/drv_epon_pon_onu
.c-TASK:UOA1-FUNC::
```

```
Call GetOnuSwVer failed in OnuUpdateFw!
```

```
Mar 01 2018 15:42:29:0257:
```

```
LINE:438,File/home/w00235/version/d105sp77er_rxx08p03/platform_epon/drv/pon/drv_epon_pon_upgr
ade.c-TASK:UOA1-FUNC::
```

```
OnuUpdateFw return not OK, ullRetMask 0 0
```

2.使用binary的方式重新将ONU版本上传到设备后，再次执行升级ONU的命令后发现现场的ONU还是无法升级成功；使用本地实验室的设备测试，发现ONU是能正常升级的；如下为测试过程：

```
[H3C-Onu3/0/2:8]dis onu slot 3
```

```
----- Olt3/0/2 -----
```

```
ONU Mac Address LLID Dist(M) Port Board/Ver Sft/Epm State Aging
9428-2ec3-6180 1 42 Onu3/0/2:8 ET354/A 111/ Up N/A
```

```
[H3C-Onu3/0/2:8]update onu filename flash:/et354112.app
```

```
Update flash:/et354112.app?[Y/N]:y
```

```
Info: Download file to onu may take a long time, please wait...
```

```
Please wait while the firmware is being burnt, and check the software version after re-registration!
```

```
[H3C-Onu3/0/2:8]
```

```
#Mar 6 10:36:09:460 2018 H3C DEVM/1/BOARD REQUEST LOADING:
```

```
Trap 1.3.6.1.4.1.2011.2.23.1.12.1.18<hwRequestLoading>: chassisIndex is 0, slotIndex 0.3
```

```
%Mar 6 10:36:09:465 2018 H3C DEVM/4/BOARD_LOADING: Board is loading file on Chassis 0 Slot
3.
```

```
#Mar 6 10:36:43:905 2018 H3C DEVM/1/LOAD FINISHED:
```

```
Trap 1.3.6.1.4.1.2011.2.23.1.12.1.20<hwLoadFinished>: chassisIndex is 0, slotIndex 0.3
```

```
%Mar 6 10:36:43:905 2018 H3C DEVM/5/LOAD_FINISHED: Board has finished loading file on Chas
sis 0 Slot 3.
```

#Mar 6 10:39:31:899 2018 H3C EPON/1/TRAP_ONU_UPDATE_RESULT:
Trap 1.3.6.1.4.1.2011.10.2.42.1.8.0.33<h3cEponOnuUpdateResultTrap>: IfEntry IfIndex 30146571,
MacAddrEntry IfIndex 30146571, FirmwareUpdateEntry IfIndex 30146571, OnuInfoEntry IfIndex 3014
6571, interface Onu3/0/2:8, MAC address 94:28:2E:C3:61:80, Update result 2, ONU type ET354/A, Fi
le name flash:/et354112.app

#Mar 6 10:40:55:441 2018 H3C IFNET/4/INTERFACE UPDOWN:
Trap 1.3.6.1.6.3.1.1.5.3<linkDown>: Interface 30146571 is Down, ifAdminStatus is 1, ifOperStatus is
2

%Mar 6 10:40:55:441 2018 H3C IFNET/3/LINK_UPDOWN: Onu3/0/2:8 link status is
DOWN.

#Mar 6 10:41:25:230 2018 H3C IFNET/4/INTERFACE UPDOWN:
Trap 1.3.6.1.6.3.1.1.5.4<linkUp>: Interface 30146571 is Up, ifAdminStatus is 1,ifOperStatus is 1

%Mar 6 10:41:25:231 2018 H3C IFNET/3/LINK_UPDOWN: Onu3/0/2:8 link status is UP.

[H3C-Onu3/0/2:8]dis onu slot 3

----- Olt3/0/2 -----

ONU Mac Address	LLID	Dist(M)	Port	Board/Ver	Stt/Epm	State	Aging
9428-2ec3-6180	1	42	Onu3/0/2:8	ET354/A	112/	Up	N/A

3.怀疑现场的ONU无法升级成功可能和初始上传的异常的et354112.app版本文件有关系；初始上传了一个异常的et354112.app版本文件，然后对ONU进行升级；升级失败后，再次上传正常的et354112.app版本文件是无法升级成功的；

4.和研发确认：文件在OLT单板会保存24小时，可以将文件重命名后再次导入设备升级测试。

将et354112.app版本文件重命名后使用binary的方式上传到设备升级ONU成功。

注意：ONU版本文件会在OLT单板会保存24小时。